

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Application Number	09/840,527
Filing Date	April 23, 2001
First Named Inventor	W. NAVARRINI et al.
Art Unit	1621
Examiner Name	R. Keys
Attorney Docket Number	2581/10

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 5,902,868	05-11-99	Saito et al.	
		US- 5,891,974	04-06-99	Saito et al.	
		US- 5,830,381	11-03-98	Chiodini et al.	
		US- 5,696,216	12-09-97	Kruger et al.	
		US- 5,648,430	07-15-97	Chiodini et al.	
		US- 5,648,429	07-15-97	Chiodini et al.	
		US- 5,639,837	06-17-97	Farnham et al.	
		US- 5,591,804	01-07-97	Coggio et al.	
		US- 5,585,449	12-17-96	Arcella et al.	
		US- 5,430,381	07-04-95	Dower	
		US- 5,378,782	01-03-95	Grootaert	
		US- 5,350,497	09-27-94	Hung et al.	
		US- 5,262,490	11-16-93	Kolb et al.	
		US- 5,260,393	11-09-93	Arcella et al.	
		US- 5,260,392	11-09-93	Arcella et al.	
		US- 5,149,842	09-22-92	Sianesi et al.	
		US- 5,144,092	09-01-92	Marraccini et al.	
		US- 5,086,123	02-04-92	Guenthner et al.	
		US- 4,990,283	02-05-91	Visca et al.	
		US- 4,957,975	09-18-90	Carlson et al.	
		US- 4,948,852	08-14-90	Moore	
		US- 4,943,622	07-24-90	Naraki et al.	
		US- 4,912,171	03-27-90	Grootaert et al.	
		US- 4,906,770	03-06-90	Marchionni et al.	
		US- 4,882,390	11-21-89	Grootaert et al.	
		US- 4,789,717	12-06-88	Giannetti et al.	
		US- 4,762,891	08-09-88	Albin et al.	
		US- 4,745,165	05-17-88	Arcella et al.	
		US- 4,734,465	03-29-88	Moggi et al.	
		US- 4,694,045	09-15-87	Moore	
		US- 4,663,395	05-05-87	Caywood, Jr.	
		US- 4,564,662	01-14-86	Albin	
		US- 4,550,132	10-29-85	Capriotti	
		US- 4,287,320	09-01-81	Kolb	
		US- 4,243,770	01-06-81	Tatemoto et al.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	2	Of	4
-------	---	----	---

**Complete if Known**

<i>Application Number</i>	09/840,527
<i>Filing Date</i>	April 23, 2001
<i>First Named Inventor</i>	W. NAVARRINI et al.
<i>Art Unit</i>	1621
<i>Examiner Name</i>	R. Keys
<i>Attorney Docket Number</i>	2581/10

## U.S. PATENT DOCUMENTS

[illegible]

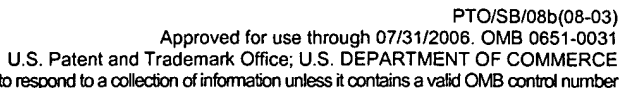
Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2***



Substitute for form 1449B/PTO

**Complete if Known**

*(Use as many sheets as necessary)*

Sheet

3

Of

4

Application Number

09/840,527

Filing Date

April 23, 2001

**First Named Inventor**

NAVARRINI ET AL.

*Art Unit*

1621

**Examiner Name**

R. Keys

Attorney Docket Number

2581/10

## FOREIGN PATENT DOCUMENTS

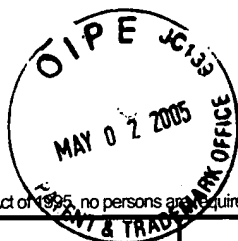
[illegible]

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.***



PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4 of 4

**Complete if Known**

Application Number	09/840,527
Filing Date	April 23, 2001
First Named Inventor	NAVARRINI ET AL.
Art Unit	1621
Examiner Name	R. Keys
Attorney Docket Number	2851/10

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		I. L. KNUNYANTS et al. "Fluorinated Diiodalkanes and Diolefins," Bulletin of the Academy of Sciences, USSR, February 1964, 359-361, Vol. 2 (Academy of Sciences of the USSR)	
		S.V. KARTSOV et al., "The role of the reactor surface in the liquid-phase oxidation of hexafluoropropylene," Institute of Chemical Physics, Academy of Sciences of the USSR, Moscow (Translated from Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya, No.10, pp. 2268-2272, October 1978	
		G. MARCHIONNI et al., "Photochemical Fluorination of Perfluoropolyether Functional Derivatives," J. Fluorine Chemistry, 47: 515-525, 1990	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.